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(54) MASS-PRODUCTION OF TAXOL BY SEMI-CONTINUOUS CULTIVATION

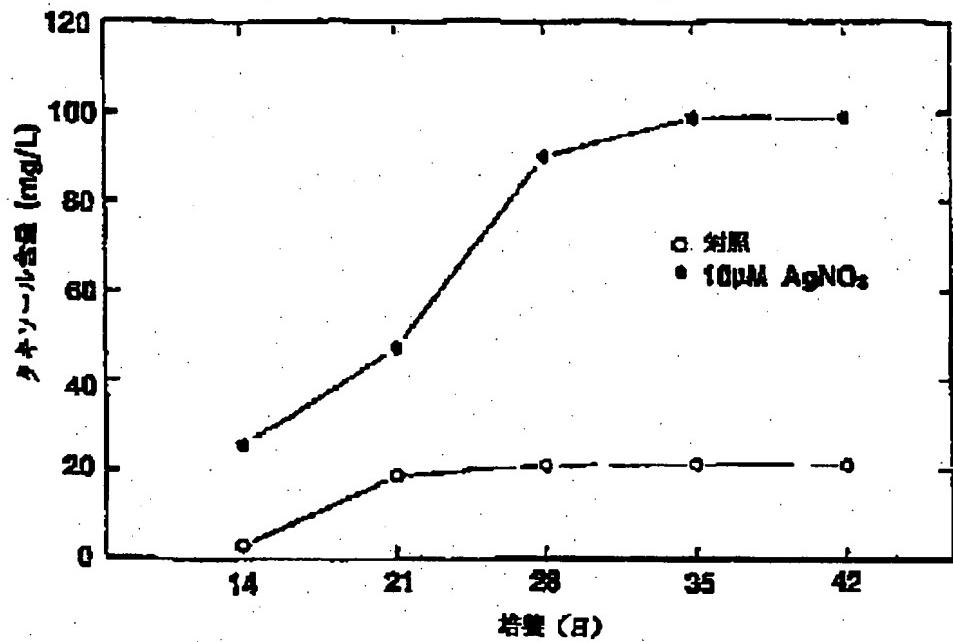
(57) Abstract:

PROBLEM TO BE SOLVED: To mass-produce taxol useful for treatment or the like of leukemia, ovarian cancer, breast cancer, lung cancer or the like by culturing plant cells derived from a plant belonging to the genus *Taxus* in a medium containing a specific amount of silver nitrate, and gathering the product.

SOLUTION: A tissue derived from the bark, leaves, trunks or roots of a plant belonging to the genus *Taxus* (e.g. *Taxus chinensis*) is washed with tap water, sterilized with a sodium hypochlorite solution, washed with distilled water, and cut into 1 cm length. The cut tissue is transferred to a solid medium containing naphthoxyacetic acid, 6-benzylaminopurine or the like and

Incubated under the condition of 24-26°C for 2-6 weeks to induce calluses. The obtained calluses are cultured in a growth medium to provide an SYG-1 cell line, and the obtained cell line is cultivated in a medium containing 1-15 μ M AgNO₃. The taxol is collected from the cultured product to mass-produce the objective taxol in high yield. The obtained taxol is useful for treatment or the like of leukemia, ovarian cancer, breast cancer, lung cancer or the like.

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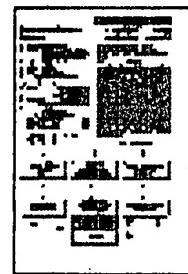
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>Title: **JP2000197497A2: MASS-PRODUCTION OF TAXOL BY SEMI-CONTINUOUS CULTIVATION**

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MD MG MK MN MX NO NZ OA PL RO RU FR IT

Family:

PDF	Publication	Pub. Date	Filed	Title
	WO9634110A1	Oct. 31, 1996	April 27, 1996	A METHOD FOR MASS PRODUCTION OF TAXOL BY SEMI-CONTINUOUS CULTURE
	KR0184848B1	April 1, 1999	Aug. 26, 1996	METHOD FOR MASS PRODUCTION OF TAXOL BY SEMI-CONTINUOUS CULTURE
	JP10504726T2	May 12, 1998	April 27, 1996	
	EP0769064B1	Aug. 28, 2002	April 27, 1996	A METHOD FOR MASS PRODUCTION OF TAXOL BY SEMI-CONTINUOUS CULTURE
	EP0769064A1	April 23, 1997	April 27, 1996	A METHOD FOR MASS PRODUCTION OF TAXOL BY SEMI-CONTINUOUS CULTURE
	DE69623223C0	Oct. 2, 2002	April 27, 1996	METHODE ZUR MASSENPRODUKTION VON TAXOL MITTELS SEMI-KONTINUERLICHER KULTUR
	CN1153533A	July 2, 1997	April 27, 1996	METHOD FOR MASS PRODUCTION OF TAXOL BY SEMI-CONTINUOUS CULTURE
	AU5516696A1	Nov. 18, 1996	April 27, 1996	A METHOD FOR MASS PRODUCTION OF TAXOL BY SEMI-CONTINUOUS CULTURE

8 family members shown above. - Based on data when this patent issued.